PTO/SB/05 (03-01)

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Approved for use through 10/31/2002. OMB 0651

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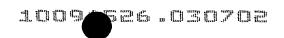
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UTILITY	Attori	Attorney Docket PTZ29C1							
PATENT APPLICATION	First	t Inventor Rosen et al.							
TRANSMITTAL	Title	Nucleic Acids	, Proteins, and	Antibodies					
(Only for new nonprovisional applications under 37 CFR 1.5	3(b)) Expre	ess Mail Label							
APPLICATION ELEMENTS			Box	Patent Application	==				
,		ADDRE	SS TO: Con	missioner for Patents					
See MPEP chapter 600 concerning utility patent applicat	ion contents.	<u> </u>		shington, DC 20231					
Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing)			DM or CD-R in dupli uter Program <i>(Appe</i>						
2. Applicant claims small entity status. See 37 CFR 1.27.	us. 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)								
3. X Specification [Total Pages]	397		nputer Readable Fo	rm (CRF)					
(preferred arrangement set forth below)		b. Specifica	ation Sequence Listi	ng on:					
Descriptive title of the invention Cross Reference to Related Applications		i. X	CD-ROM or CD-	R (2 copies); or ii. pape	٢				
 Statement Regarding Fed sponsored R & D Reference to sequence listing, a table, 		c. X Statements verifying identity of above copies							
or a computer program listing appendix - Background of the Invention		ACC	OMPANYING AF	PPLICATIONS PARTS					
 Brief Summary of the Invention Brief Description of the Drawings (if filed) 		9. Assign	ment Papers (cove	r sheet & document(s))					
Detailed Description Claim(s) Abstract of the Disclosure			R 3.73(b) Statemen		f				
4. Drawing(s) (35 U.S.C. 113) [Total Sheets]		there is an assigned h Translation Docur						
5. Oath or Declaration [Total Pages	5 1		ation Disclosure nent (IDS)/PTO-144	Copies of IDS Citations					
a. Newly executed (original or copy)		13. Preliminary Amendment							
b. X Copy from a prior application (37 CFR 1.63 (for continuation/divisional with Box 18 completed			n Receipt Postcard (
i DELETION OF INVENTOR(S)	′/	15. Certific	ed Copy of Priority [
Signed statement attached deleting inventor(s) named in the prior application,			gn priority is claimed) iblication Request u	nder 35 U.S.C. 122 (b)(2)(B)(i).					
see 37 CFR 1.63(d)(2) and 1.33(b).		Applic	1 Ctotomont 1	n PTO/SB/35 or its equivalent. Inder 37 C.F.R. § 1.821	7				
		17. X Other:		and Submission Under 37					
6. X Application Data Sheet. See 37 CFR 1.76 (7 pa	iges)		C.F.R. §§ 1.82	24 and 1.52(e)					
 If a CONTINUING APPLICATION, check appropriate b Data Sheet under 37 CFR 1,76: 	ox, and supply the	requisite information i	below and in a prelimin	ary amendment, or in an Application					
X Continuation Divisional Contin	nuation-in-part (CIP) of prior appl	lication No.:	09/764,889					
Prior application information: Examiner	Clow, L.	G	roup / Art Unit:	1631					
For CONTINUATION or DIVISIONAL APPS only: The under Box 5b, is considered a part of the disclosure of the									
reference.			TVISIONAL APPRICATION	- and is neverly incorporated by					
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		Registration		T T	\dashv				
Signature	_		Date	March 7, 2002	-				



PTO/SB/17 (11-01)
Approved for use through 10/31/2002. OMB 0651-0032
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number.			Complete if Known							
FEE TRANSMITTAL	Application Number			er	Not Yet Assigned					
for FY 2002	Filing Date			Herewith						
	First Named Inventor			Rosen et al.						
Patent fees are subject to annual revision.	Examiner Name				Not Yet Assigned					
Application claims small entity status. See 37 CFR 1.27	Group Art Unit				Not Yet Assigned					
TOTAL AMOUNT OF PAYMENT (\$) 896.00		Cloup / 4t Clit				PTZ29C1				
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METHOD OF PAYMENT (check all that apply) Credit Money Other Name	 					ATION (col	itinuea)			
Check Card Order Other None	3. ADDITIONAL FEES									
χ Deposit Account	l									
Deposit Account 08-3425	Large Fee	Entity Fee	Smal	I Entity Fee	_					
Number U8-3423	Code	(\$)	Code	(\$)		Fee Desc	ription	Fee Paid		
Deposit Account Human Genome Sciences, Inc.	105	130	205	65	Surcharge -	- late filing fee	e or oath			
Name	127	50	227	25		- late provisio	nal filing fee or cover			
The Commissioner is hereby authorized to: (check all that apply)	l				sheet.					
X Charge fee(s) indicated below X Credit any overpayments	139	130	139	130	Non-English specification					
Charge any additional fee(s) during the pendency of this application	147	2,520	147	2,520	-	For filing a request for ex parte reexamination				
Charge fee(s) indicated below, except for the filing fee	112	920*	112	920*	Requesting Examiner as	publication of ction	f SIR prior to	ļ j		
to the above-identified deposit account.	113	1,840*	113	1,840*	Requesting Examiner as	publication o	f SIR after			
FEE CALCULATION	115	110	215	55		or reply within	first month			
1. BASIC FILING FEE	116	400	216	200	Extension for	or reply within	second month			
Large Entity Small Entity	117	920	217	460	Extension fo	or reply within	third month			
Fee Fee Fee Fee <u>Fee Description</u> Fee Paid	118	1,440	218	720	Extension for	or reply within	fourth month	_		
101 740 201 370 Utility filing fee 740.00	128	1,960	228	980	Extension for reply within fifth month					
106 330 206 165 Design filing fee	119	320	219	160	Notice of Appeal					
107 510 207 255 Plant filing fee	120	320	220	160	Filing a brief in support of an appeal					
108 740 208 370 Reissue filing fee	121	280	221	140	Request for oral hearing Petition to institute a public use proceeding					
114 160 214 80 Provisional filing fee	138 140	1,510 110	138 240	1,510 55		evive – unavo	-			
SUBTOTAL (1) (\$) 740.00	141	1,280	241	640		evive - uninte				
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	142	1,280	242	640	Utility issue	fee (or reissu	ie)			
Extra Fee from Fee Paid Claims below	143	460	243	230	Design issu	e fee				
Total Claims 24 -20** = 4 x 18.00 = 72.00	144	620	244	310	Plant issue	fee				
Independent	122	130	122	130	Petitions to the Commissioner					
Multiple Dependent =	123	50	123	50	Processing	fee under 37	CFR 1.17(q)			
Large Entity Small Entity	126	180	126	180	Submission	of Informatio	n Disclosure Stmt			
Fee Fee Fee Fee Code (\$) Code (\$)	581	40	581	40			ssignment per			
103 18 203 9 Claims in excess of 20	146	740	246	370	property (times number of properties) Filing a submission after final rejection					
102 84 202 42 Independent claims in excess of 3	İ				(37 CFR 1.129(a)) For each additional invention to be			\vdash		
104 280 204 140 Multiple dependent claim, if not paid	149	740	249	370	examined (3	37CFR 1 129	(h))	 		
109 84 209 42 ** Reissue independent claims over original patent		740	279	370			xamination (RCE) camination	 		
110 18 210 9 ** Reissue claims in excess of 20		69 900 169 900 Request for expedited examination of a design application						 		
and over original patent	ı	Other fee (specify)								
SUBTOTAL (2) (\$) 156.00	*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 0.00									
**or number previously paid, if greater; For Reissues, see above	느		=		===	Complete (if a policiph - \	===		
SUBMITTED BY	Reaist	tration No	<u> </u>	2 700			if applicable)			
Name (Print/Type) Mark J. Hyman		ey/Agent		6,789		 	(240) 314-1224	· 		
Signature						Date	March 7, 2002			



VIA HAND DELIVERY MARCH 7, 2002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Rosen et al.

Attorney Docket No.: PTZ29C1

Application Serial No.: Not Yet Assigned

Art Unit: Not Yet Assigned

Filed: Herewith

Examiner: Not Yet Assigned

Title: Nucleic Acids, Proteins, and Antibodies

TRANSMITTAL AND SUBMISSION UNDER 37 C.F.R. §§ 1.824 AND 1.52(e)

Commissioner for Patents Washington, D.C. 20231

Sir:

In accordance with 37 C.F.R. §§ 1.821(e) and 1.824, Applicants submit herewith a Sequence Listing satisfying the computer readable format requirements on a compact disc (CD-R) labeled "CRF." Applicants submit concurrently herewith a Statement Under 37 C.F.R. § 1.821.

Additionally, in accordance with 37 C.F.R. §§ 1.52(e), 1.821, and 1.823, Applicants submit herewith a Sequence Listing as an electronic document on two identical compact discs (CD-R). Applicants certify under 37 C.F.R. § 1.52(e)(4) that these two compact discs, labeled "Copy 1" and "Copy 2," are identical. These compact discs, formatted for an IBM-PC machine and compatible with the MS-Windows operating system, each contain the file "PTZ29C1 seqList.txt" (43,108 bytes in size, created March 6, 2002).

Respectfully submitted,

Dated: March 7, 2002

Reg. No. 46,789

Attorney for Applicants

Human Genome Sciences, Inc.

9410 Key West Avenue Rockville, MD 20850 Telephone: (240) 314-1224

Enclosures